



8/2011

Valid from  
9/2011

	BMW Z4 sDrive35i		BMW Z4 sDrive35is
<b>Body</b>			
No of doors / seats		2 / 2	2 / 2
Length/width/height (unladen)	mm	4239 / 1790 / 1291	4244 / 1790 / 1284
Wheelbase	mm	2496	2496
Track, front/rear	mm	1511 / 1537	1511 / 1537
Ground clearance	mm	130	124
Turning circle	m	10.7	10.7
Tank capacity	app ltr	55	55
Cooling system incl heater	ltr	8.2 (8.5)	8.5
Engine oil <sup>1)</sup>	ltr	6.5	6.5
Weight, unladen, to DIN/EU	kg	1505 / 1580 (1525 / 1600)	1525 / 1600
Max load to DIN	kg	330	330
Max permissible	kg	1835 (1855)	1855
Max axle load, front/rear	kg	870 / 1000	870 / 1000
Luggage comp capacity	ltr	180-310	180-310
Air drag	cd x A	0.35 x 1.96	0.35 x 1.96
<b>Power Unit</b>			
Config/No of cyls/valves		Straight-six / 4	Straight-six / 4
Engine technology		BMW TwinPowerTurbo with two turbochargers and direct fuel injection (High Precision Injection)	BMW TwinPower Turbo with two turbochargers and direct fuel injection (High Precision Injection)
Capacity, effective	cc	2979	2979
Stroke / bore	mm	89.6 / 84.0	89.6 / 84.0
Compression ratio	:1	10.2	10.2
Fuel		min RON 95	min RON 95
Max output	kW/hp	225 / 306	250 / 340
at	rpm	5800	5900
Max torque	Nm	400	450 + 50 <sup>2)</sup>
at	rpm	1300-5000	1500
<b>Electrical System</b>			
Battery/location	Ah/-	70 / luggage comp	70 / luggage comp
Alternator	AW	170 / 2380	170 / 2380
<b>Driving Dynamics and Safety</b>			
Suspension, front	Double wishbone spring strut tiebar axle in aluminium with displaced castor, small positive steering roll radius, compensation of lateral forces, anti-dive 35is: Adaptive M Suspension with electronically controlled dampers		
Suspension, rear	Central arm axle, separate springs and dampers, anti-squat and anti-dive, BMW Z4 sDrive35is: Adaptive M Suspension with electronically controlled dampers		
Brakes, front	Single-piston frame-calliper disc brakes		
Diameter	mm	348 x 30 / vented	348 x 30 / vented
Brakes, rear	Single-piston swing-calliper disc brakes		
Diameter	mm	324 x 20 / vented	324 x 20 / vented
Driving stability systems	Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Assistant, Dry Braking, Fading Compensation, Start-Of Assistant		
Safety equipment	Standard: airbags for driver and passenger, seat-integrated side airbags for driver and passenger, three-point inertia-reel seat belts with belt latch tensions and belt force limiters, crash sensors, Tyre Defect Indicator		
Steering	EPS Electric Power Steering, optional: Servotronic (standard for BMW Z4 sDrive35is)		
Steering transmission, overall	:1	14.4	14.4
Tyres, front/rear	225/45 R17 91W RSC / 255/40 R17 94W RSC		225/40 R18 88W RSC / 255/35 R18 90W RSC
Rims, front/rear	8J/8.5J x 17 light-alloy		8J/8.5J x 18 light-alloy

## Specifications BMW Z4.

		BMW Z4 sDrive35i	BMW Z4 sDrive35is
<b>BMW ConnectedDrive</b>			
Comfort	Optional: BMW Assist including Enquiry Service, remote-control function, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals		
Infotainment	Optional: access to the internet, BMW Online including features such as Parkinfo, National Info, Google directory service, News, realtime weather, BMW Routes, office functions, Bluetooth Audio Streaming, online update of music tracks, Apps		
Safety	Optional: Adaptive Headlights, High-Beam Assistant, Park Distance Control, cruise control with brake function, Automatic/Enhanced Emergency Call		
<b>Transmission</b>			
Type of transmission	BMW Z4 sDrive35i: six-speed manual (optional: seven-speed double-clutch gearbox), BMW Z4 sDrive35is: seven-speed double-clutch gearbox		
Gear ratios	I	:1	4.055 (4.780)
	II	:1	2.396 (3.056)
	III	:1	1.582 (2.153)
	IV	:1	1.192 (1.678)
	V	:1	1.000 (1.390)
	VI	:1	0.872 (1.203)
	VII	:1	– (1.000)
	Reverse	:1	3.677 (4.454)
Final drive		:1	3.077 (2.563)
<b>Performance</b>			
Power-to-weight-ratio	kg/kW		6.7 (6.8)
Output per litre	kW/hp		75.5
Acceleration	0–100 km/h	sec	5.2 (5.1)
	standing-start	sec	24.4 (24.2)
In 4th/5th/gear	80–120 km/h	sec	4.9 / 5.7 (–)
Top speed	km/h		250 (250)
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration, EPS Electric Power Steering, gearshift point indicator (manual models), intelligent lightweight construction, on-demand operation of ancillary units		
<b>Fuel Consumption in EU</b>			
Urban	l/100km		13.5 (12.6)
Extra-urban	l/100km		7.0 (6.9)
Combined	l/100km		9.4 (9.0)
CO <sub>2</sub>	g/km		219 (210)
Emission rating			EU5

Specifications applicable to ACEA markets/homologation data applicable in part only to Germany (weight).  
BMW Z4 sDrive35i: Figure in brackets apply to automatic transmission model.

<sup>1)</sup> Oil change

<sup>2)</sup> Temporary, with Overboost